

Listing and Amendments to the Claims

The following listing of claims replaces any prior revisions or listing of claims in this application.

1. (Currently amended) A method for monitoring the state of a first device within a communication network comprising at least two devices, the network comprising isochronous communication channels transmitting data packets synchronized by a signal synchronization signals emitted by the network emitted in regular time intervals, the method comprising: by the network, wherein it comprises the following steps:

at the level of a first device desiring to be monitored:

- emission by the first device being monitored of data packets on a specified an isochronous channel in response to the signal synchronization signals emitted regularly by the network;

- emission by the first device of a monitoring request containing an identifier of the isochronous channel and a task descriptor specifying a task;

at the level of a second device:

- reception by a second device of the emissions of data packets emitted on the isochronous channel; and

- triggering by the second device of the execution of [[a]] the specified task consequent upon the absence of data packets on the isochronous channel between at least two emissions of synchronization signals.

2. (Currently amended) The method of management-as-claimed-in claim 1; wherein it comprises at the level of the first device a step of emission of a monitoring request containing an identifier of the isochronous channel transmitting the packets and a task descriptor; the second device executing executes the task thus specified by the first device.

3. (Currently amended) The method of management-as-claimed-in claim 2; wherein the monitoring request specifies a predetermined number of synchronization signals; the second device executing the specified task when no data packet has been detected

on the isochronous channel following the detection of the specified number of synchronization signals.

4. (Currently amended) The method of ~~management as claimed in~~ claim 2; wherein it comprises a step of emission by the second device of a handling signal following the reception of the monitoring request.

5. (Currently amended) The method of ~~management as claimed in~~ claim 1; wherein the specified task comprises the display of an alert message comprising an identifier of the first device.

6. (Currently amended) The method of ~~management as claimed in~~ claim 1; wherein the specified task comprises a step of analysis of the reason for the absence stoppage of the ~~emissions~~ of data packets, and a step of executing actions so as to resume the emission of the data packets.

7. (Currently amended) A network device charged with monitoring the state of at least one other device of the network, comprising:

a means of receiving by a network a monitoring request containing an identifier of an isochronous channel of the network on which the at least one other device whose state is being monitored emits data packets and a task descriptor specifying a task, the means of receiving also receiving synchronization signals allowing the emission of isochronous data and isochronous data packets emitted on a specified on the identified isochronous channel of said network; wherein it furthermore comprises and

a means for triggering the execution of the executing a specified task consequent upon the absence of receiving of data packets on the isochronous channel between at least two emissions of synchronization signals, the absence of packets being indicative of the state of the device being monitored.

8. (Currently amended) The network device as claimed in claim 7 wherein it comprises a means for receiving a monitoring request containing the identifier of the isochronous channel transmitting the packets and a descriptor of the specified task;

~~said identifier of the channel and the descriptor of the task being recorded in a memory of the device~~ said network device executes the specified task.

9. (Previously presented) The network device as claimed in claim 8 wherein the monitoring request received specifies a predetermined number of synchronization signals and in that it comprises a counter of synchronization signals, the specified task being executed when no data packet has been detected on the isochronous channel following the detection of the specified number of synchronization signals.

10. (Previously presented) The network device as claimed in claim 7 wherein it comprises a means of display of an alert message activated by the absence of data packets on the isochronous channel between at least two emissions of synchronization signals.

11. (Previously presented) The network device as claimed in claim 8 under the dependence of claim 8 wherein it comprises a means for emitting a handling signal following the reception of a monitoring request.

12. (Currently amended) The network device as claimed in claim 11 wherein it comprises a means for disabling the handling of a monitoring request, said means for disabling the handling of a monitoring request being activated when the reception means with the network means of receiving senses a signal for handling said request by another device of the network.